

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012522\
 Data File : VY007288.D
 Acq On : 25 Jan 2022 12:36
 Operator : SY/MD
 Sample : VY0125SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0125SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/26/2022
 Supervised By : Mahesh Dadoda 01/26/2022

Quant Time: Jan 26 03:56:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	90406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	133988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	61691	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	58586	52.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.620%			
35) Dibromofluoromethane	7.722	113	55915	54.246	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.500%			
50) Toluene-d8	10.179	98	200907	53.343	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.680%			
62) 4-Bromofluorobenzene	12.483	95	72593	54.184	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.360%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	6454	20.360	ug/l	96
3) Chloromethane	2.113	50	13238	19.914	ug/l	91
4) Vinyl Chloride	2.259	62	18554	19.177	ug/l	99
5) Bromomethane	2.656	94	12707	20.282	ug/l	98
6) Chloroethane	2.796	64	12209	20.224	ug/l	96
7) Trichlorofluoromethane	3.125	101	20973	20.114	ug/l	96
8) Diethyl Ether	3.527	74	11595	20.194	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	21376	21.041	ug/l	99
10) Methyl Iodide	4.082	142	29318	19.512	ug/l	99
11) Tert butyl alcohol	4.954	59	10722	110.676	ug/l #	87
12) 1,1-Dichloroethene	3.875	96	20049	19.598	ug/l	95
13) Acrolein	3.729	56	2236	87.843	ug/l	100
14) Allyl chloride	4.485	41	31451	19.174	ug/l	97
15) Acrylonitrile	5.161	53	29006	105.110	ug/l	97
16) Acetone	3.948	43	25816	89.673	ug/l	91
17) Carbon Disulfide	4.198	76	46072	16.217	ug/l	99
18) Methyl Acetate	4.472	43	25015	24.420	ug/l	97
19) Methyl tert-butyl Ether	5.216	73	43950	21.822	ug/l	99
20) Methylene Chloride	4.716	84	23485	19.728	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	21857	19.708	ug/l	97
22) Diisopropyl ether	6.118	45	68529	20.622	ug/l	99
23) Vinyl Acetate	6.057	43	181055	92.646	ug/l	98
24) 1,1-Dichloroethane	6.021	63	41746	20.651	ug/l	99
25) 2-Butanone	6.990	43	36932	99.223	ug/l	95
26) 2,2-Dichloropropane	6.978	77	30604	20.773	ug/l	100
27) cis-1,2-Dichloroethene	6.984	96	25440	20.221	ug/l	97
28) Bromochloromethane	7.338	49	11757	16.079	ug/l	99
29) Tetrahydrofuran	7.350	42	24846	103.842	ug/l	99
30) Chloroform	7.508	83	44853	21.355	ug/l	100
31) Cyclohexane	7.789	56	35726	19.050	ug/l	97
32) 1,1,1-Trichloroethane	7.704	97	37187	20.714	ug/l	96
36) 1,1-Dichloropropene	7.917	75	33064	20.084	ug/l	99
37) Ethyl Acetate	7.076	43	17580	20.808	ug/l	97
38) Carbon Tetrachloride	7.905	117	35572	20.543	ug/l	97
39) Methylcyclohexane	9.185	83	38528	19.168	ug/l	98
40) Benzene	8.161	78	89227	20.319	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	8856m	18.203	ug/l	
42) 1,2-Dichloroethane	8.240	62	28984	20.960	ug/l	99
43) Isopropyl Acetate	8.270	43	33854	20.594	ug/l	98
44) Trichloroethene	8.941	130	25001	21.039	ug/l	98
45) 1,2-Dichloropropane	9.215	63	22554	20.197	ug/l	96
46) Dibromomethane	9.307	93	13595	20.587	ug/l	98
47) Bromodichloromethane	9.496	83	34036	20.966	ug/l	99
48) Methyl methacrylate	9.295	41	14849	19.859	ug/l	98
49) 1,4-Dioxane	9.307	88	3223	452.655	ug/l	91
51) 4-Methyl-2-Pentanone	10.069	43	84887	101.839	ug/l	98
52) Toluene	10.246	92	57566	20.681	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	34889	20.359	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	39607	20.647	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	18313	20.445	ug/l	97
56) Ethyl methacrylate	10.508	69	25298	20.048	ug/l	96
57) 1,3-Dichloropropane	10.794	76	32586	20.871	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	63181	110.109	ug/l	99
59) 2-Hexanone	10.831	43	56649	100.142	ug/l	98
60) Dibromochloromethane	10.983	129	23087	20.967	ug/l	98
61) 1,2-Dibromoethane	11.087	107	18356	20.860	ug/l	99
64) Tetrachloroethene	10.721	164	19718	20.417	ug/l	97
65) Chlorobenzene	11.514	112	62729	21.411	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	23769	21.886	ug/l	99
67) Ethyl Benzene	11.593	91	116150	21.094	ug/l	99
68) m/p-Xylenes	11.703	106	85789	41.924	ug/l	99
69) o-Xylene	12.032	106	41234	21.398	ug/l	99
70) Styrene	12.044	104	68838	21.175	ug/l	99
71) Bromoform	12.209	173	13232	21.064	ug/l #	99
73) Isopropylbenzene	12.331	105	111889	20.999	ug/l	99
74) N-amyl acetate	12.142	43	28927	20.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	21730	20.973	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	16688m	23.723	ug/l	
77) Bromobenzene	12.611	156	24409	21.053	ug/l	100
78) n-propylbenzene	12.672	91	138975	21.040	ug/l	100
79) 2-Chlorotoluene	12.757	91	77003	20.968	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	93315	21.329	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	8091	21.057	ug/l #	95
82) 4-Chlorotoluene	12.855	91	81405	21.249	ug/l	100
83) tert-Butylbenzene	13.075	119	80663	21.338	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	92140	21.247	ug/l	99
85) sec-Butylbenzene	13.257	105	120046	21.226	ug/l	100
86) p-Isopropyltoluene	13.373	119	98926	21.285	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	49081	21.628	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	48843	21.404	ug/l	99
89) n-Butylbenzene	13.696	91	97559	21.319	ug/l	99
90) Hexachloroethane	13.965	117	19714	21.697	ug/l	100
91) 1,2-Dichlorobenzene	13.739	146	42276	20.938	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3551	19.844	ug/l	97
93) 1,2,4-Trichlorobenzene	15.007	180	26692	21.738	ug/l	98
94) Hexachlorobutadiene	15.111	225	13750	21.728	ug/l	99
95) Naphthalene	15.239	128	55177	21.157	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	22732	21.700	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

